BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Horticulture Pearson BTEC International Level 3 Diploma in Horticulture Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 29: Plant Propagation Activities
Learning aims	**B:** Undertake seed and vegetative propagation to meet production requirements **C:** Undertake the aftercare of propagated plants to achieve successful establishment
Assignment title	**Plant Propagation, Establishment and Aftercare**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	The owners of "Plant Nursery" have made improvements to the nursery's plant propagation processes, schedules and facilities following your report. They would now like you to produce a video portfolio that evidences you carrying out, assessing and evaluating the propagation and after care of four specified plant species at the nursery. You will present your video portfolio to the owners so they can assess the success of the changes they have made.
Task 1	Produce a **video portfolio** which will include the following sections: a) Practical **demonstration** of you effectively **carrying out** techniques required to **sow/propagate, establish, care for and maintain 4** plant species to support their development: • **One hedging** species • **One specimen tree** species • **One successional bedding** species • **One mixed boarder** species (species to be agreed through discussion with tutor The video should demonstrate an **in-depth understanding** of **each plant** and their requirements **before propagation**, **during propagation** and when providing **aftercare (including weaning)**. This will include: • Correct selection and use of tools, materials, media, equipment and environment. • Use of appropriate structures and facilities to provide suitable environments for each plant. • Correct and efficient working practice to a high standard, including preparation of areas, time taken to complete tasks, appropriate use of resources, leaving the area clean and tidy, appropriate disposal of waste material and

	minimal disruption. • Evidence that hazards and risks to self and others have been assessed. By demonstrating competent safe working practice when carrying out tasks and using tools, materials and equipment. b) Provide an **evaluation** and review of the **techniques** you used for **propagation** and **aftercare (including weaning)**. Thoroughly explore the following in your evaluation: • Reasons for your selected methods and how these impacted on the successful establishment of each plant species. • Which techniques were successful and which techniques could be improved or carried out differently. • Assess what you did in the weaning process and the impact this had plant quality and success. • What impact processes had on structures, facilities and the management of integrated pest management. • How did processes impact on the indented use, of each plant species i.e. hedging, specimen tree, successional bedding or mixed borders.
Checklist of evidence required	Video Portfolio to include a) Practical demonstration of you effectively carrying out techniques required to sow/propagate, establish, care for and maintain 4 plant species. b) An evaluation and review of the techniques you used for propagation and aftercare (including weaning).

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Carry out seed and vegetative propagation and establishment activities effectively, demonstrating a comprehensive understanding of the techniques required for the specific plants.
C.D3	Carry out effective plant maintenance and aftercare for specified propagated plants, evaluating approaches used in the weaning process.
B.M2	Carry out seed and vegetative propagation and establishment activities efficiently, working to the required timelines and using appropriate techniques.
C.M3	Carry out plant maintenance and aftercare activities efficiently for specified propagated plants.
C.M4	Assess the approaches used in the weaning process and its impact on plant quality.
B.P3	Carry out basic seed and vegetative preparation and propagation activities for specified plants.
B.P4	Carry out simple establishment of propagation material for propagated plants.
C.P5	Carry out plant maintenance and aftercare activities competently for specified propagated plants.
C.P6	Explain the approaches used in the weaning process and its impact on plant quality.

Sources of information to support you with this Assignment	**Books** Adams, C; Early, M; Brook, J; Bamford, K; Principles of Horticulture: Level 3; Routledge; 2014; ISBN-13: 978-0415859097 Dirr, M. and Heuser, C. (2009). *The reference manual of woody plant propagation*. 2nd ed. Portland: Timber Press. ISBN-13: 978-1604690040 Klein, C. (2010). *Grow your own garden*. London: BBC. ISBN-13: 978-1846078477 MacDonald, P (2014). *Manual of Plant Grafting*. Oregon: Timber Press. ISBN-13: 978-1604694635 Toogood, A. (2019). *RHS propagating plants*. DK. ISBN-13: 978-0241345696 **Journals and Magazines** • Horticulture Week • BBC Gardeners World • Nature (nature.com/hortres) • Horticultural Plant Journal **Websites** • www.rhs.org.uk • www.hortweek.com • www.plantpropagation.com

Tutor Note – selection of plant species should meet essential information for assessment decisions, local needs/resources and allow learners to cover a range of vegetative and seed propagation as outlined in qualification specification, unit content B2.